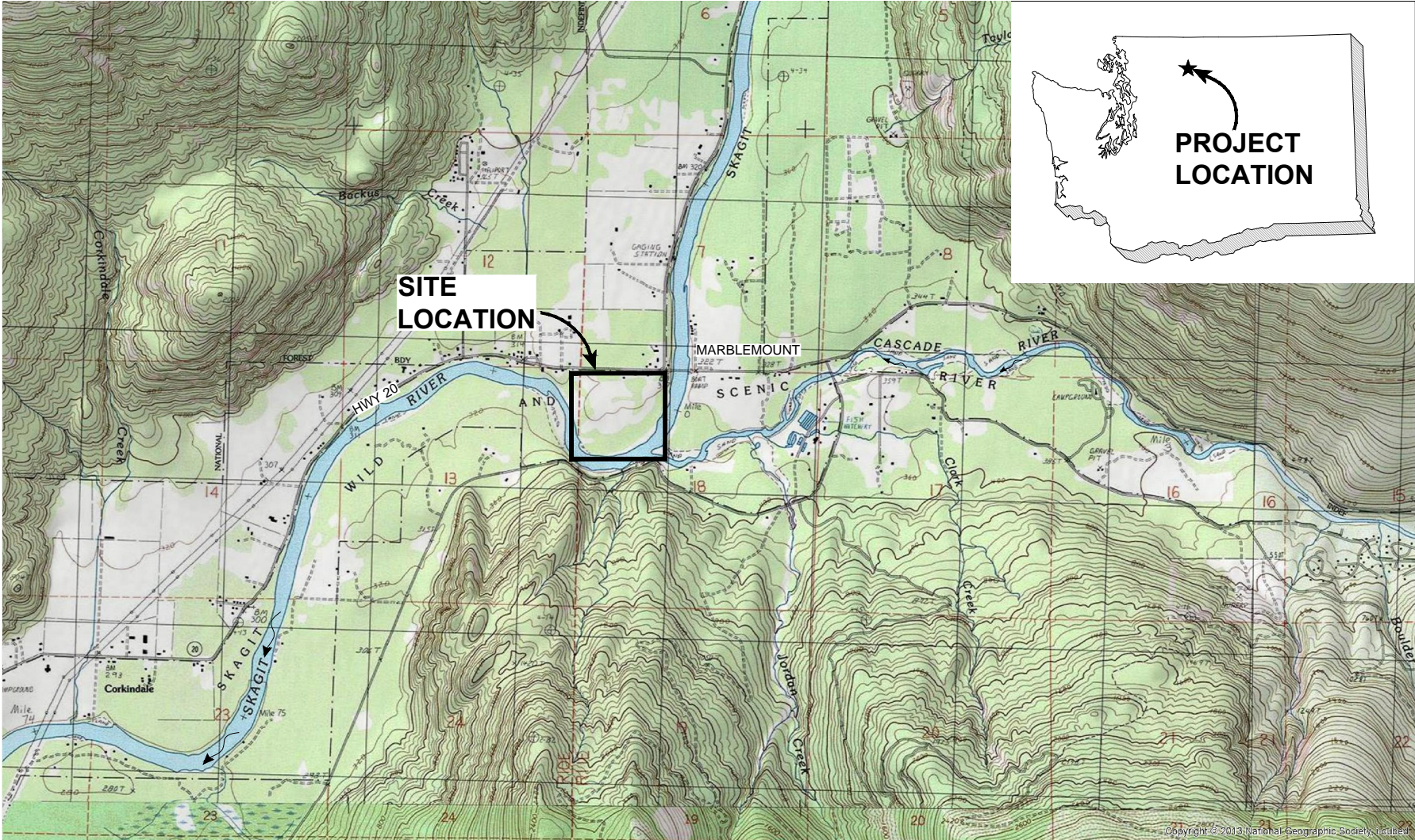


PRESSENTIN PARK

SIDE CHANNEL RESTORATION

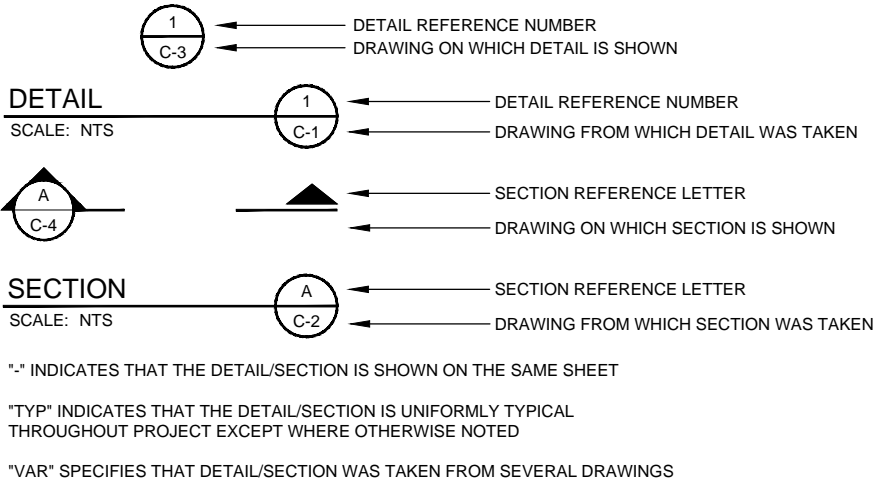
SKAGIT COUNTY, WA



VICINITY MAP
SCALE: NTS

Sheet List Table		
SHEET NO.	DWG NO.	SHEET DESCRIPTION
1	G-1	VICINITY MAP AND SHEET INDEX
2	G-2	LEGEND AND GENERAL NOTES
3	C-1	EXISTING CONDITIONS
4	C-2	SITE PLAN AND PROPOSED WORK
5	C-3	LOWER GRADING AND SITE PLAN
6	C-4	UPPER GRADING AND SITE PLAN
7	C-5	GRADING DETAILS
8	C-6	INLET PLAN AND DETAILS
9	C-7	OUTLET AND FLOODFENCE PLAN AND DETAILS
10	C-8	ELS DETAILS
11	ESC-1	TESC DETAILS

NOTE AND DETAIL/SECTION REFERENCING



CONCEPT - NOT FOR CONSTRUCTION



DESIGNED: G. KAYS	DRAWN: E. MARSHALL
DESIGNED: M. BEGGS	DRAWN: -
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: M. EW BANK

PRESSENTIN PARK
SIDE CHANNEL RESTORATION

VICINITY MAP AND SHEET INDEX

DATE: FEB 2015
PROJECT NO: 14-05789-000
DRAWING NO: G-1
SHEET NO: 1 OF 10

Path: O:\proj\Y2014\14-05789-000\CAD\Drawings\G-2.dwg
Plot Date: 3/30/2015 11:56 AM
Plot Style Table: Herrera.ctb
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Plotter: DWG To PDF.pc3

GENERAL NOTES:

- MATERIAL STAGING AREAS TO BE LOCATED AS SHOWN ON THE SITE PLAN. MATERIAL SHALL NOT BE STORED OUTSIDE OF IDENTIFIED STAGING AREAS, UNLESS APPROVED BY DISTRICT AND LAND OWNER.
- CONTRACTOR SHALL LIMIT MACHINERY MOVEMENT TO PROJECT LIMITS DEFINED ON SITE PLAN OR IDENTIFIED AS ACCEPTABLE TO DISTRICT.
- CLEARING LIMITS FOR TEMPORARY ACCESS ROAD AND PROPOSED STRUCTURES SHALL BE LIMITED TO THE AREA REQUIRED FOR SAFE EQUIPMENT OPERATION. CLEARING LIMITS SHALL BE STAKED BY CONTRACTOR AND APPROVED BY DISTRICT AT LEAST 3 DAYS PRIOR TO CLEARING ACTIVITIES. CLEARING LIMITS SHALL BE STAKED TO MINIMIZE THE AREA OF DISTURBANCE.
- APPROVED CONSTRUCTION SEQUENCE PLAN SHALL NOT BE ALTERED UNLESS APPROVED BY DISTRICT.
- FIELD VERIFY WITH DISTRICT ALL ENGINEERED LOGJAM LOCATIONS, LENGTHS, WIDTHS, AND ELEVATIONS PRIOR TO EXCAVATION, ASSEMBLY, AND INSTALLATION OF EACH STRUCTURE.
- EQUIPMENT USED FOR THIS PROJECT SHALL BE FREE OF EXTERNAL PETROLEUM-BASED PRODUCTS WHILE WORKING NEAR OR ANY SURFACE WATER OR WETLANDS. ACCUMULATION OF SOILS OR DEBRIS SHALL BE REMOVED FROM THE DRIVE MECHANISMS (WHEELS, TRACKS, TIRES, ETC.) AND UNDERCARRIAGE OF EQUIPMENT PRIOR TO ITS WORKING BELOW THE BANKFULL WATER ELEVATION.
- EQUIPMENT SHALL BE CHECKED DAILY FOR LEAKS, AND ANY NECESSARY REPAIRS SHALL BE COMPLETED PRIOR TO COMMENCING WORK ACTIVITIES.
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT NO PETROLEUM PRODUCTS, HYDRAULIC FLUID, SEDIMENTS, SEDIMENT-LADEN WATER, CHEMICALS, OR ANY OTHER TOXIC OR DELETERIOUS MATERIALS ARE ALLOWED TO ENTER OR LEACH INTO THE RIVER, GROUNDWATER, OR WETLANDS.
- IF AT ANY TIME, AS A RESULT OF PROJECT ACTIVITIES, FISH ARE OBSERVED IN DISTRESS, A FISH KILL OCCURS, OR WATER QUALITY PROBLEMS DEVELOP (INCLUDING EQUIPMENT LEAKS OR SPILLS), OPERATIONS SHALL CEASE AND THE DISTRICT SHALL BE NOTIFIED IMMEDIATELY. WASHINGTON DEPARTMENT OF FISH AND WILDLIFE AND WASHINGTON DEPARTMENT OF ECOLOGY SHALL BE CONTACTED IMMEDIATELY BY THE DISTRICT OR BY HIS/HER DESIGNEE. WORK SHALL NOT RESUME UNTIL FURTHER APPROVAL BY DISTRICT REPRESENTATIVE.
- EROSION CONTROL METHODS SHALL BE USED TO PREVENT SILT-LADEN WATER FROM ENTERING THE RIVER. INITIAL EROSION CONTROL MEASURES ARE SHOWN ON DRAWINGS C-3, AND C-4. CONTRACTOR IS SOLELY RESPONSIBLE FOR SUITABLE BMP'S TO CONTROL SILTATION FROM WORK AREA.
- ALTERATION OR DISTURBANCE OF THE BANK AND BANK VEGETATION SHALL BE MINIMIZED TO THAT NECESSARY TO CONSTRUCT THE PROJECT. CONTRACTOR SHALL KEEP DISTURBED AREAS WITHIN LIMITS SHOWN ON PLANS.
- IF HIGH FLOW CONDITIONS THAT MAY CAUSE SILTATION OR EROSION ARE ENCOUNTERED DURING CONSTRUCTION, WORK SHALL STOP UNTIL THE FLOW SUBSIDES.
- DECKED LOGS SHALL BE ACCESSIBLE FOR INSPECTION.
- LOG TYPE IDENTIFICATION SHALL BE PAINTED ON ALL LOGS IN A PLACE VISIBLE FOR INSPECTION PRIOR TO PLACEMENT WITH LEAD-FREE, BLAZE-ORANGE SURVEY MARKING PAINT.
- EXCAVATIONS THAT HAVE POTENTIAL TO IMPACT THE WETTED CHANNEL OF THE SKAGIT RIVER OR SIDE CHANNEL SHALL BE ISOLATED FROM THE ACTIVE CHANNEL. ISOLATION MEANS SHALL CONSIST OF SILT BOOMS, BULK BAGS, BLADDER DAMS OR APPROVED EQUAL AS NECESSARY TO PREVENT IMPACTS TO WATER QUALITY.

SURVEY NOTES:

- BASIS OF BEARINGS IS THE WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE, N.A.D. 83/11.
- TOPOGRAPHY SHOWN DEVELOPED FROM LIDAR (2006) AND GROUND SURVEY (SEMARU ENGINEERING AND SURVEYING, 2014).
- VERTICAL DATUM IS NAVD 88. FROM W.S.D.O.T. MONUMENT ID: 7148, ELEVATION = 320.95 FEET, AND MONUMENT ID: 7149, ELEVATION = 323.53 FEET.
- BASE MAP SURVEY CONTROL FILE TO BE PROVIDED TO CONTRACTOR. CONTRACTOR REQUIRED TO MAINTAIN SURVEY CONTROL. STAKING BY DISTRICT IS DESCRIBED IN PROJECT SPECIFICATION.
- EXISTING TRAILS, ROADS, BUILDINGS, WETTED CHANNEL EXTENTS, PARCEL LINES, TREES, AND VEGETATION SHOWN ARE APPROXIMATE.

ABBREVIATIONS

APPROX	APPROXIMATE
AVE	AVERAGE
BMP	BEST MANAGEMENT PRACTICE
CSTC	CRUSHED SURFACING TOP COURSE
DIA	DIAMETER
ELJ	ENGINEERED LOG JAM
ELS	ENGINEERED LOG STRUCTURE
FT	FEET
GW	GROUNDWATER
IN	INCHES
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
OHW	ORDINARY HIGH WATER
QTY	QUANTITY
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
TYP	TYPICAL
WSE	WATER SURFACE ELEVATION

LEGEND:

	PARCEL BOUNDARY
	EXISTING TRAIL/PATH
	PARK BOUNDARY
	NORTH CASCADES HIGHWAY
	ACCESS ROAD
	ORDINARY HIGH WATER MARK
	ELJ NUMBER
	BANK ROUGHENING STRUCTURE
	LARGE BANK ROUGHENING STRUCTURE
	FLOODFENCE STRUCTURE
	CHANNEL ROUGHENING STRUCTURES
	TEST PIT/WELL LOCATION
	RIVER FLOW DIRECTION
	WATTLES
	SILT BOOM
	NATIVE GROUND
	SCOUR APRON BOULDERS
	NATIVE BACKFILL
	STAGING AREA

CONCEPT - NOT FOR CONSTRUCTION

No.	REVISION	BY	APP'D	DATE



DESIGNED:	DRAWN:
G. KAYS	E. MARSHALL
DESIGNED:	DRAWN:
M. BEGGS	-
DESIGNED:	CHECKED:
-	-
SCALE:	APPROVED:
AS NOTED	M. EWBANK

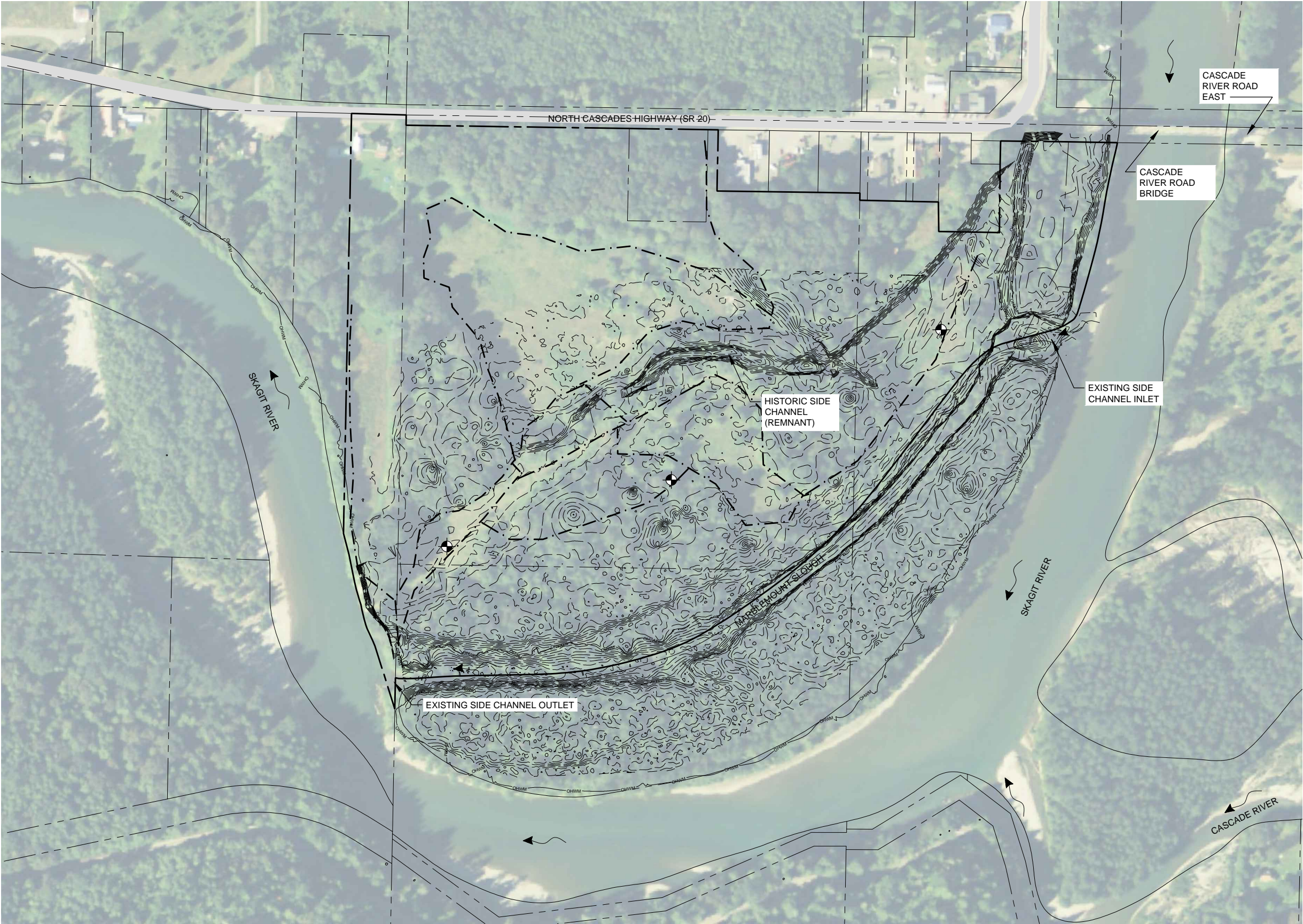
PRESSENTIN PARK
SIDE CHANNEL RESTORATION

LEGEND AND GENERAL NOTES

DATE:	FEB 2015
PROJECT NO:	14-05789-000
DRAWING NO:	G-2
SHEET NO:	2 OF 10

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↑
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LEGEND:

	PARCEL BOUNDARY
	EXISTING TRAIL/PATH
	PARK BOUNDARY
	NORTH CASCADES HIGHWAY
	TEST PIT/WELL LOCATION
	RIVER FLOW DIRECTION
	ORDINARY HIGH WATER MARK

NOTES:

1. PARCEL BOUNDARIES PROVIDED BY SKAGIT COUNTY.
2. LAND OWNER AGREEMENTS TO BE COORDINATED BY OWNER.
3. CONSTRUCTION ACCESS VIA NORTH CASCADES HIGHWAY.

CONCEPT - NOT FOR CONSTRUCTION

No.	REVISION	BY	APP'D	DATE

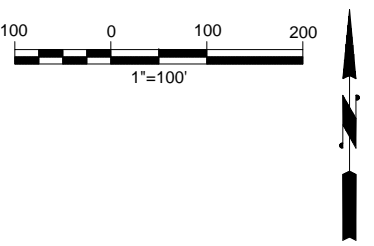
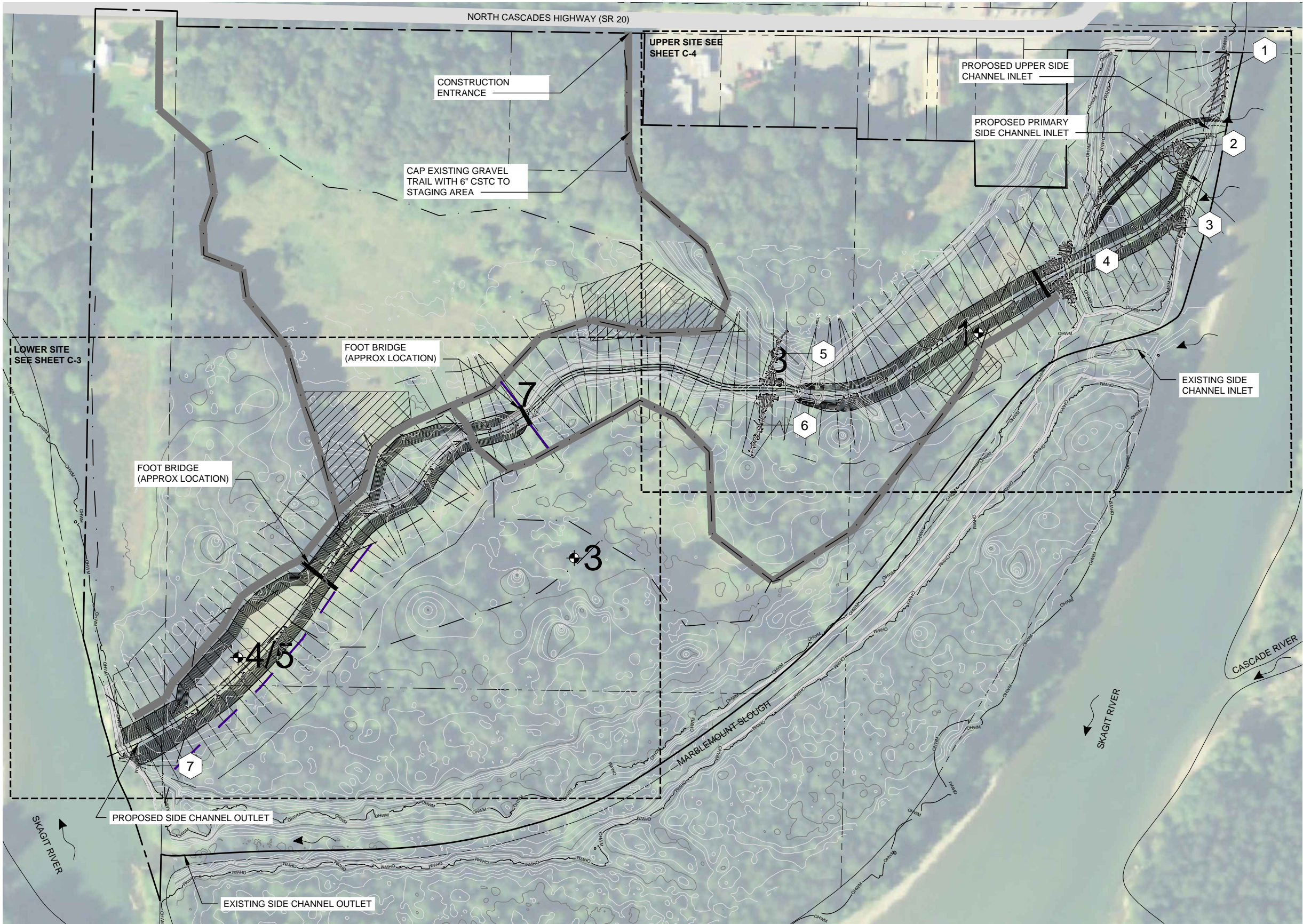


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DESIGNED: M. BEGGS	DRAWN: -
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: M. EW BANK

PRESSENTIN PARK
SIDE CHANNEL RESTORATION

EXISTING CONDITIONS

DATE:	
FEB 2015	
PROJECT NO:	
14-05789-000	
DRAWING NO:	
C-1	
SHEET NO:	OF
3	10



LEGEND:

- PARCEL BOUNDARY
- - - EXISTING TRAIL/PATH
- - - PARK BOUNDARY
- ACCESS ROAD
- [Hatched Box] STAGING AREA
- ① ELJ NUMBER
- NORTH CASCADES HIGHWAY
- [Diagonal Lines] BANK ROUGHENING STRUCTURE
- [Cross-hatch] LARGE BANK ROUGHENING STRUCTURE
- [Wavy Lines] FLOODFENCE STRUCTURE
- [V-shape] CHANNEL ROUGHENING
- [Circle with X] TEST PIT/WELL LOCATION
- RIVER FLOW DIRECTION
- OHWM ORDINARY HIGH WATER MARK

- NOTES:**
1. PARCEL BOUNDARIES PROVIDED BY SKAGIT COUNTY.
 2. LAND OWNER AGREEMENTS TO BE COORDINATED BY SFEG.
 3. CONSTRUCTION ACCESS VIA NORTH CASCADES HIGHWAY.
 4. ELJ LOCATIONS AND TYPES SHOWN FOR ILLUSTRATION ONLY. FINAL LOCATIONS AND TYPES SHALL BE PER HYDRAULIC MODELING ANALYSIS AND LAND OWNER AGREEMENTS.
 5. CONTRACTOR SHALL SEED ALL DISTURBED AREAS. LAND OWNER SHALL BE RESPONSIBLE FOR ALL SITE PLANTINGS.
 6. NOTE ALL DISTURBED AREAS TO BE PLANTED WITH NATIVE SPIECES BY SFEG.
 7. EXISTING TRAIL FROM SR 20 TO STAGING AREA TO BE CAPPED WITH 6" CSTC. PROPOSED ACCESS ROADS FROM STAGING AREA TO BE CONSTRUCTED WITH HOG FUEL.. TEMPORARY ACCESS ROADS INCORPORATED INTO EXISTING TRAIL SYSTEM.

CONCEPT - NOT FOR CONSTRUCTION



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DESIGNED:	M. BEGGS	DRAWN:	-
DESIGNED:	-	CHECKED:	-
SCALE:	AS NOTED	APPROVED:	M. EW BANK

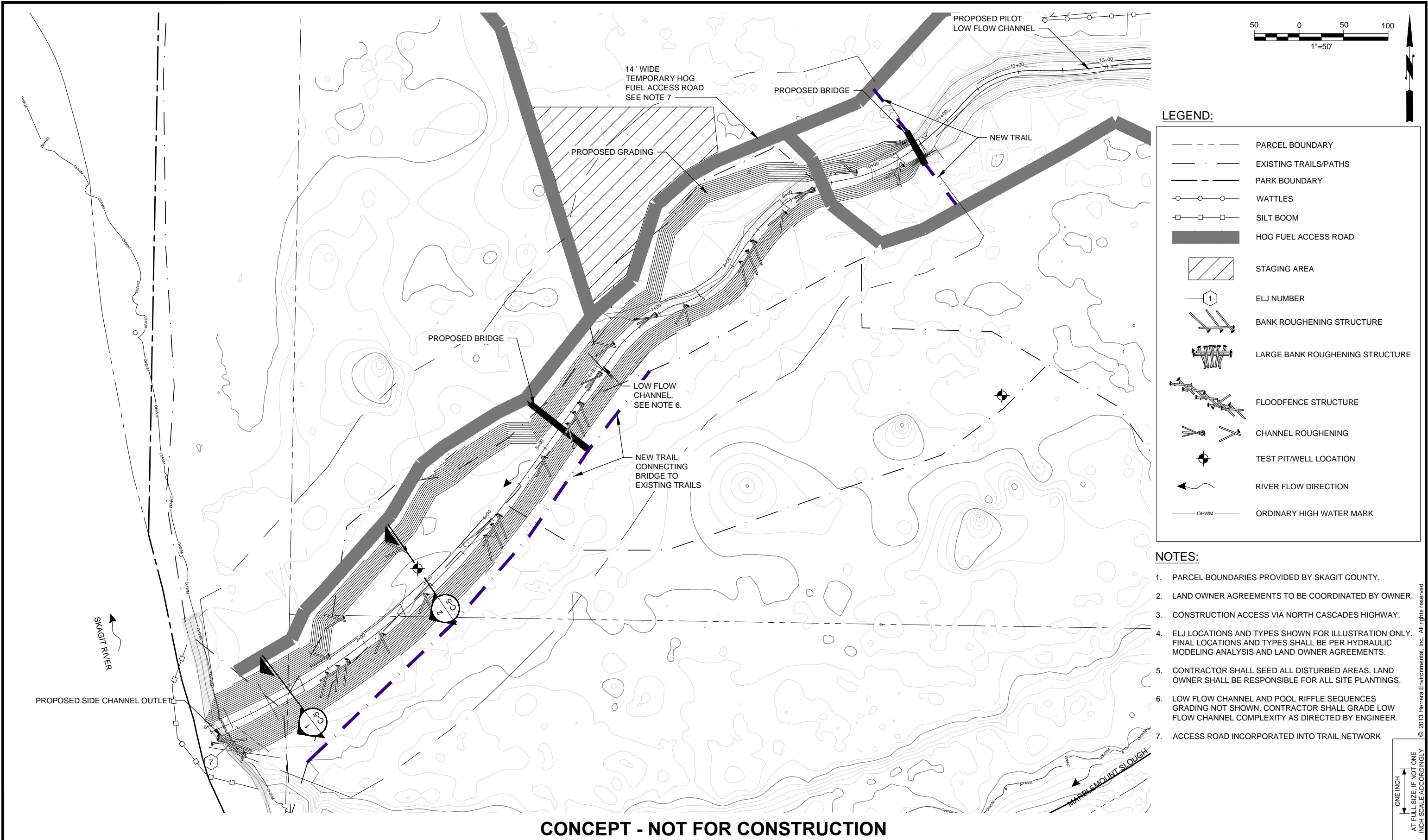
PRESSENTIN PARK
SIDE CHANNEL RESTORATION

SITE PLAN AND PROPOSED WORK

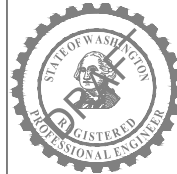
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SHEET NO:	4 OF 10

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Plot Style Table: Herrera.ctb
Cad User: Eric Marshall
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DESIGNED: M. BEGGS	DRAWN: -
DESIGNED: -	CHECKED: -
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PRESSENTIN PARK
SIDE CHANNEL RESTORATION

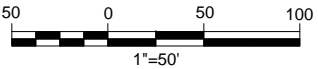
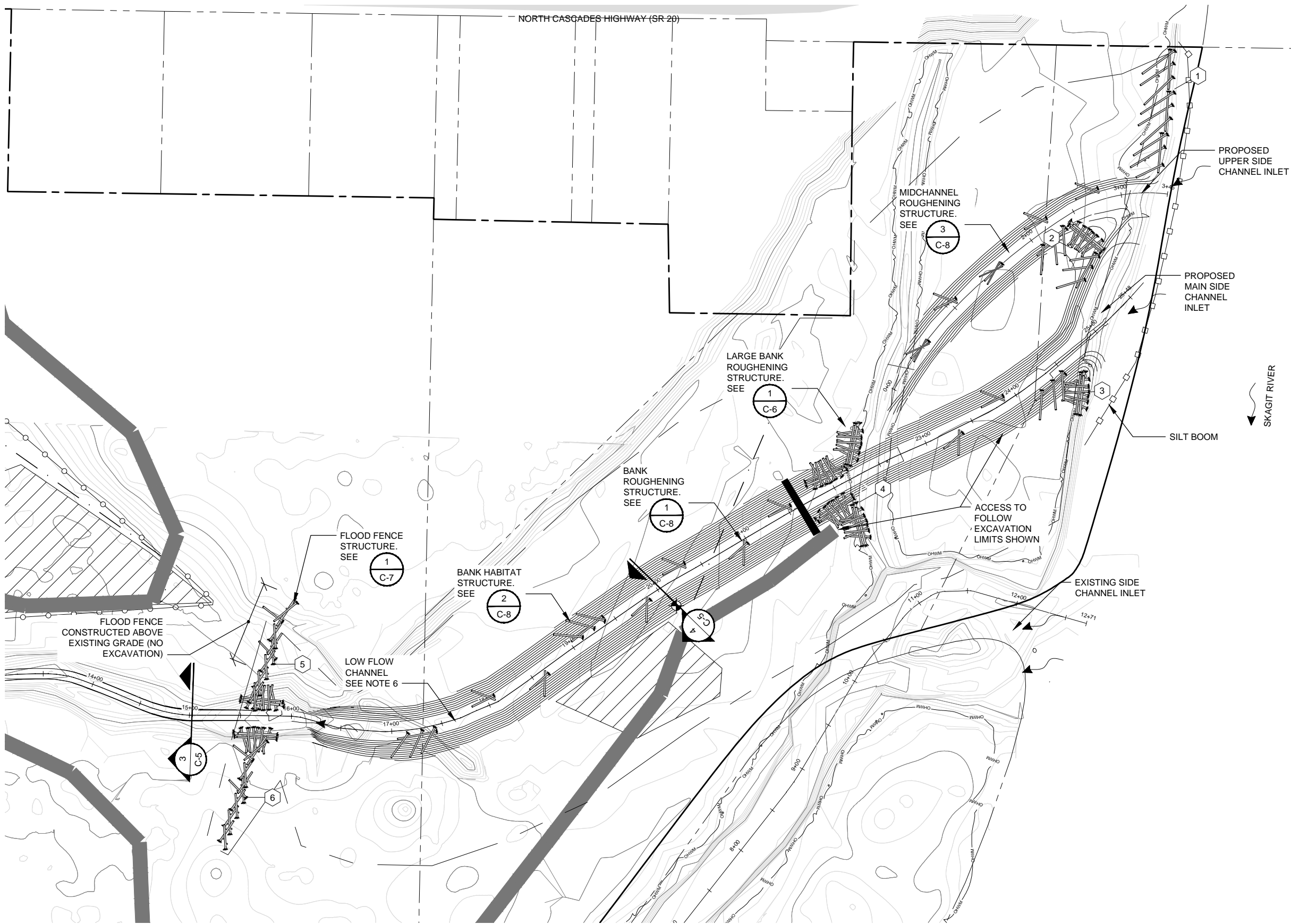
LOWER GRADING AND SITE PLAN

DATE: FEB 2015
PROJECT NO: 14-05789-000
DRAWING NO: C-3
SHEET NO: 5
OF 10

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LEGEND:

- PARCEL BOUNDARY
- - - EXISTING TRAILS/PATHS
- - - PARK BOUNDARY
- ○ ○ WATTLES
- □ □ SILT BOOM
- HOG FUEL ACCESS ROAD
- ▨ STAGING AREA
- ① ELJ NUMBER
- ▬ NORTH CASCADES HIGHWAY
- ▬ BANK ROUGHENING STRUCTURE
- ▬ LARGE BANK ROUGHENING STRUCTURE
- ▬ FLOODFENCE STRUCTURE
- ▬ CHANNEL ROUGHENING
- ⊙ TEST PIT/WELL LOCATION
- RIVER FLOW DIRECTION
- OHWM — ORDINARY HIGH WATER MARK

NOTES:

1. PARCEL BOUNDARIES PROVIDED BY SKAGIT COUNTY.
2. LAND OWNER AGREEMENTS TO BE COORDINATED BY OWNER.
3. CONSTRUCTION ACCESS VIA NORTH CASCADES HIGHWAY.
4. ELJ LOCATIONS AND TYPES SHOWN FOR ILLUSTRATION ONLY. FINAL LOCATIONS AND TYPES SHALL BE PER HYDRAULIC MODELING ANALYSIS AND LAND OWNER AGREEMENTS.
5. CONTRACTOR SHALL SEED ALL DISTURBED AREAS. LAND OWNER SHALL BE RESPONSIBLE FOR ALL SITE PLANTINGS.
6. LOW FLOW CHANNEL AND POOL RIFFLE SEQUENCES GRADING NOT SHOWN. CONTRACTOR SHALL GRADE LOW FLOW CHANNEL COMPLEXITY AS DIRECTED BY ENGINEER.

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CONCEPT - NOT FOR CONSTRUCTION

No.	REVISION	BY	APP'D	DATE

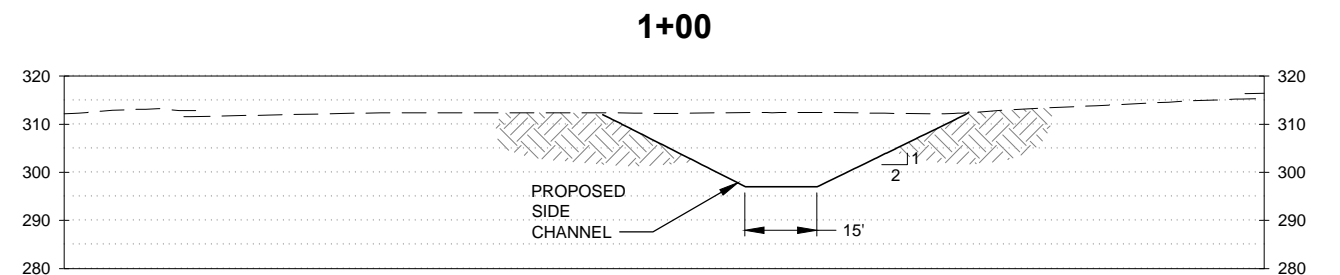
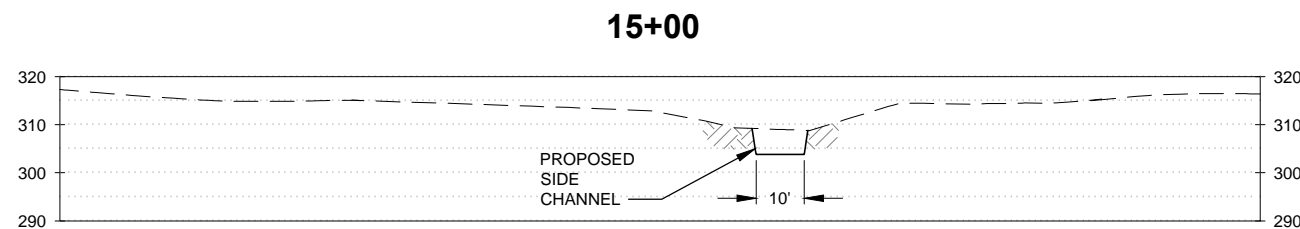
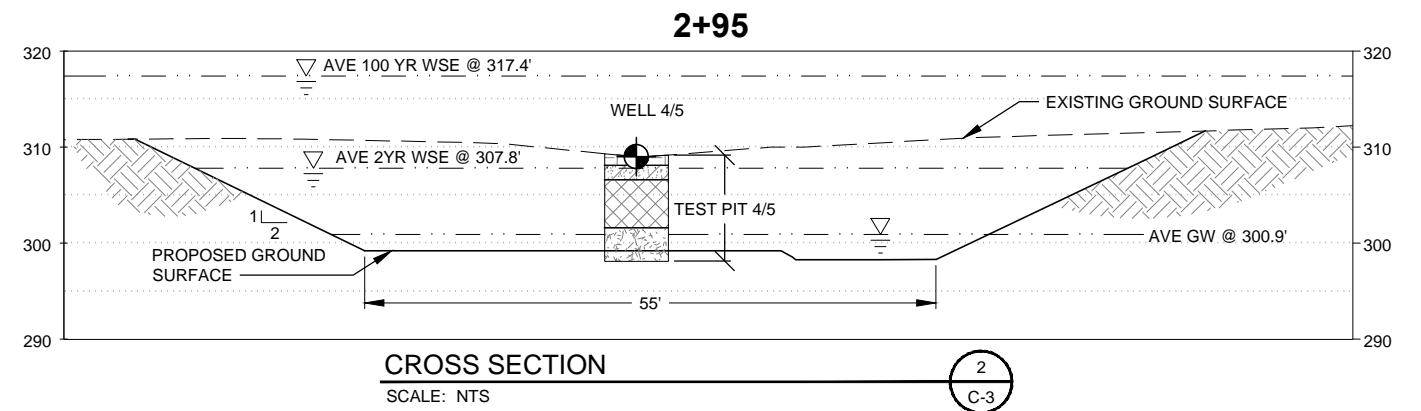
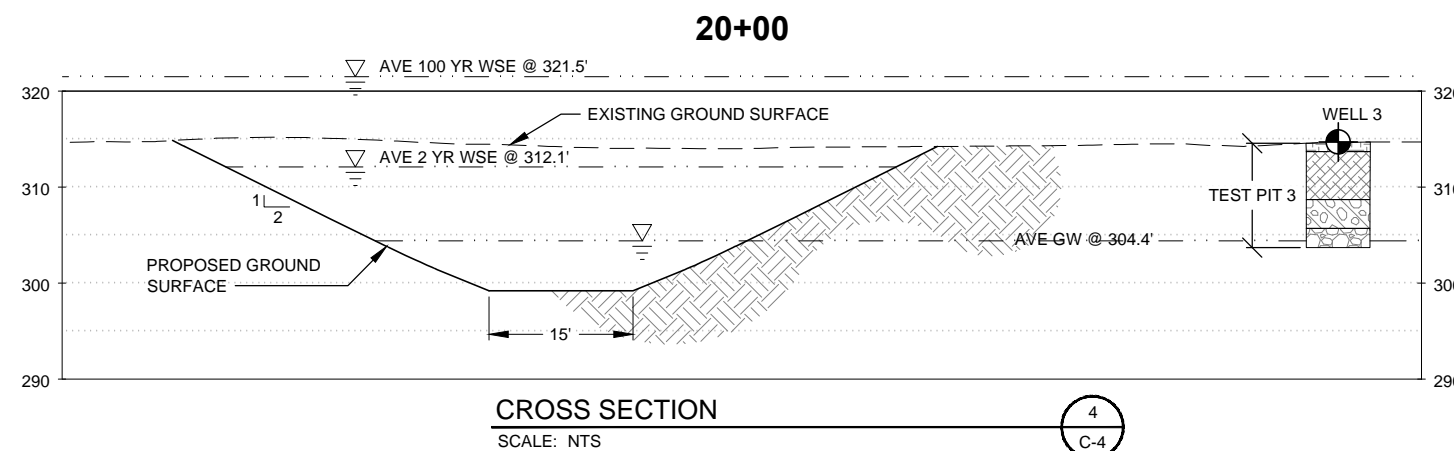
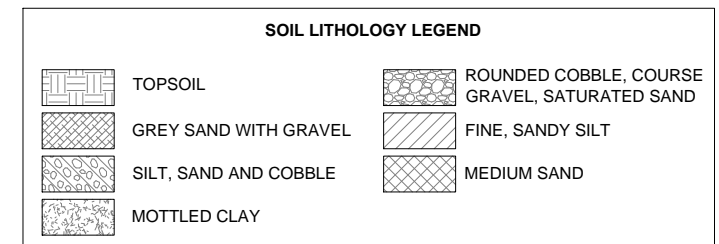
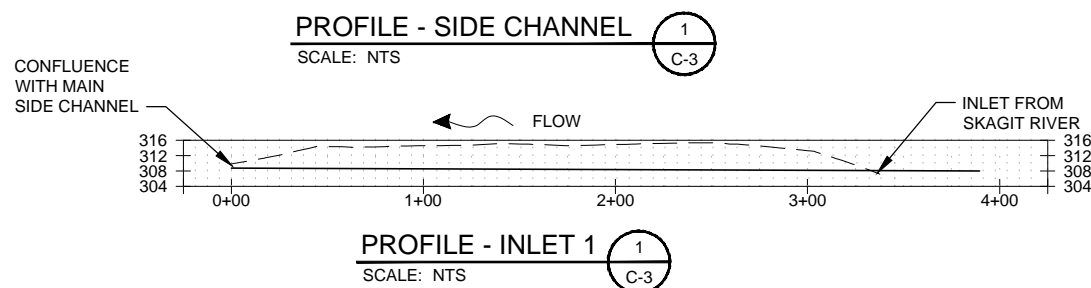
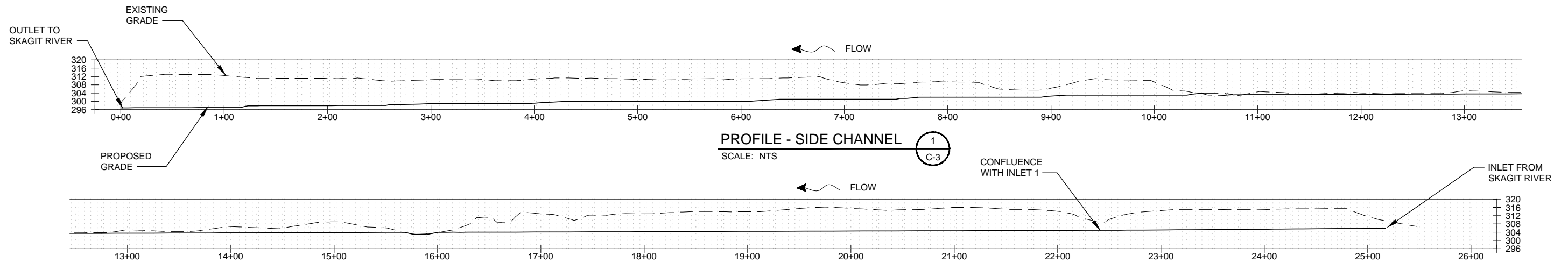


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DESIGNED: M. BEGGS	DRAWN: -
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: M. EW BANK

**PRESENTIN PARK
SIDE CHANNEL RESTORATION**

UPPER GRADING AND SITE PLAN

DATE: FEB 2015
PROJECT NO: 14-05789-000
DRAWING NO: C-4
SHEET NO: 6
OF 10



CONCEPT - NOT FOR CONSTRUCTION

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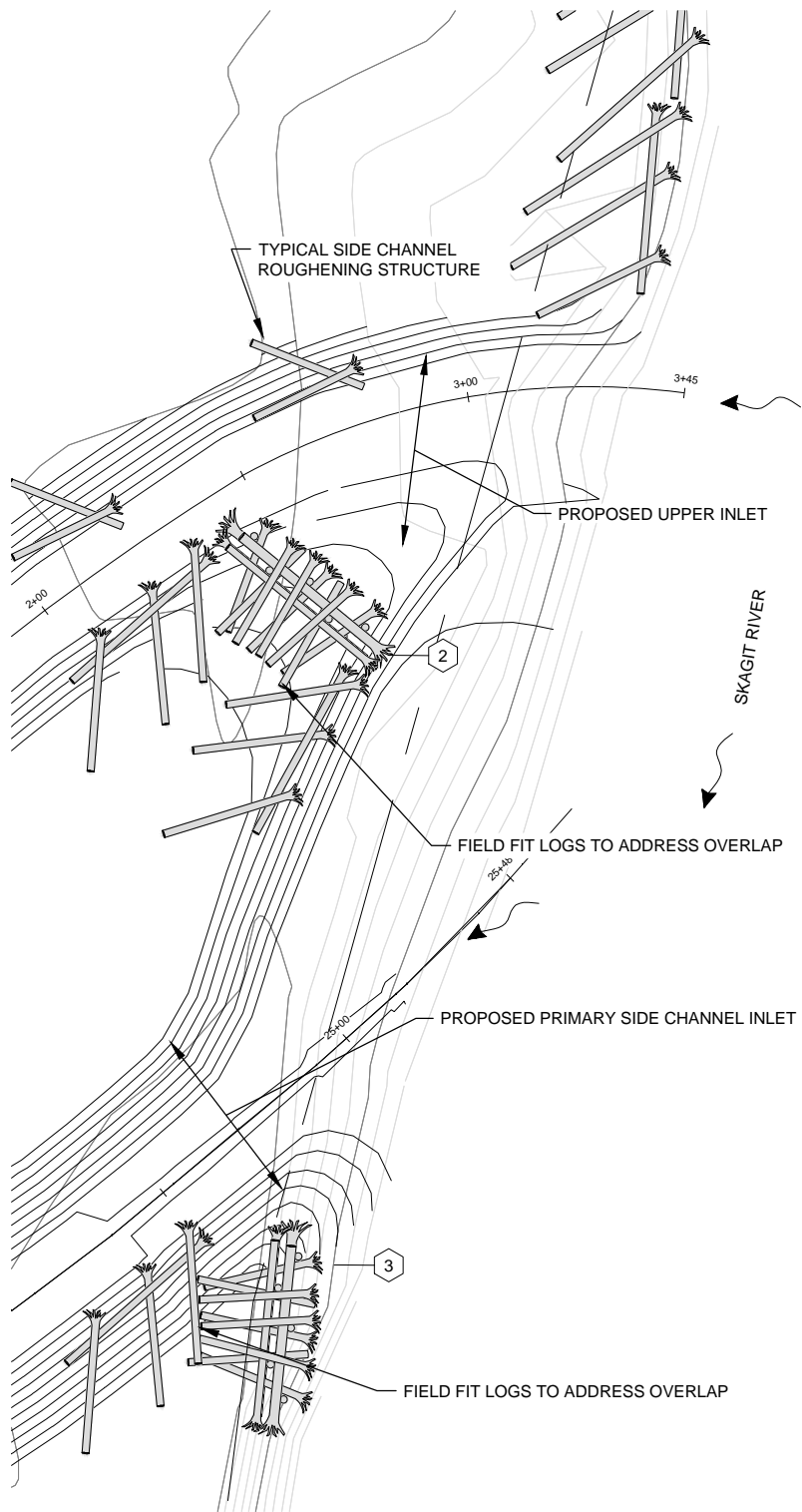
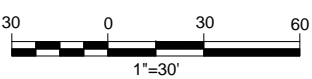
PRESSENTIN PARK
SIDE CHANNEL RESTORATION

GRADING DETAILS

DATE: FEB 2015
PROJECT NO: 14-05789-000
DRAWING NO: C-5
SHEET NO: 7 OF 10

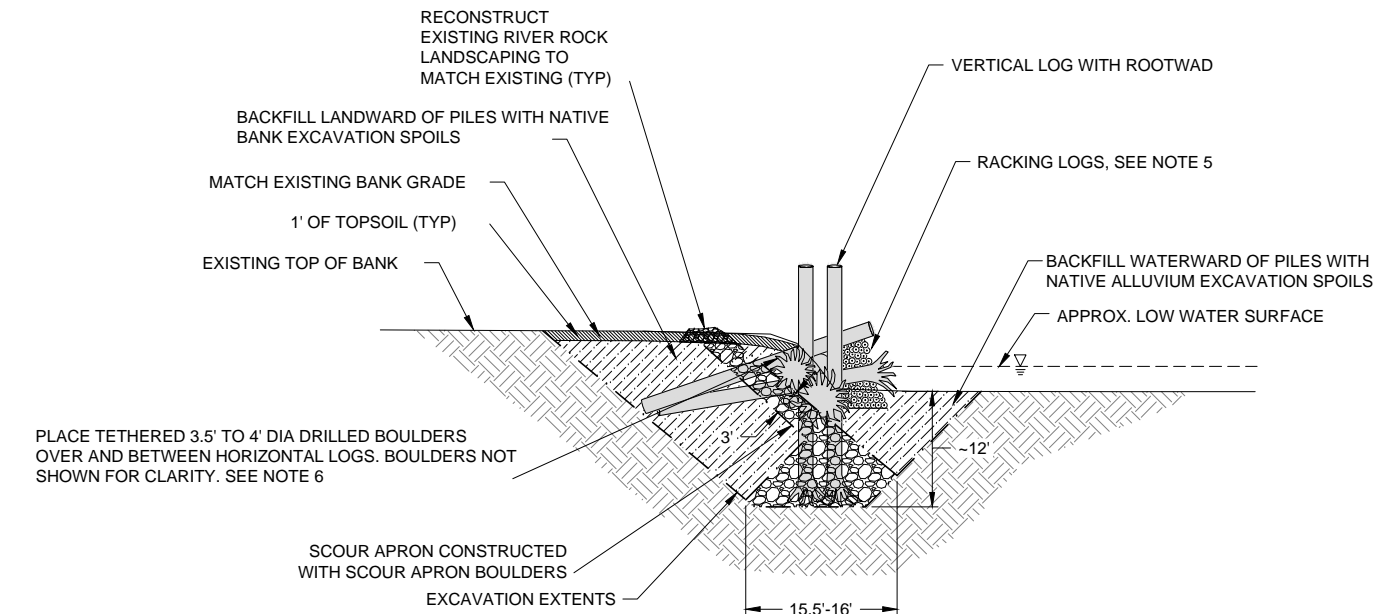
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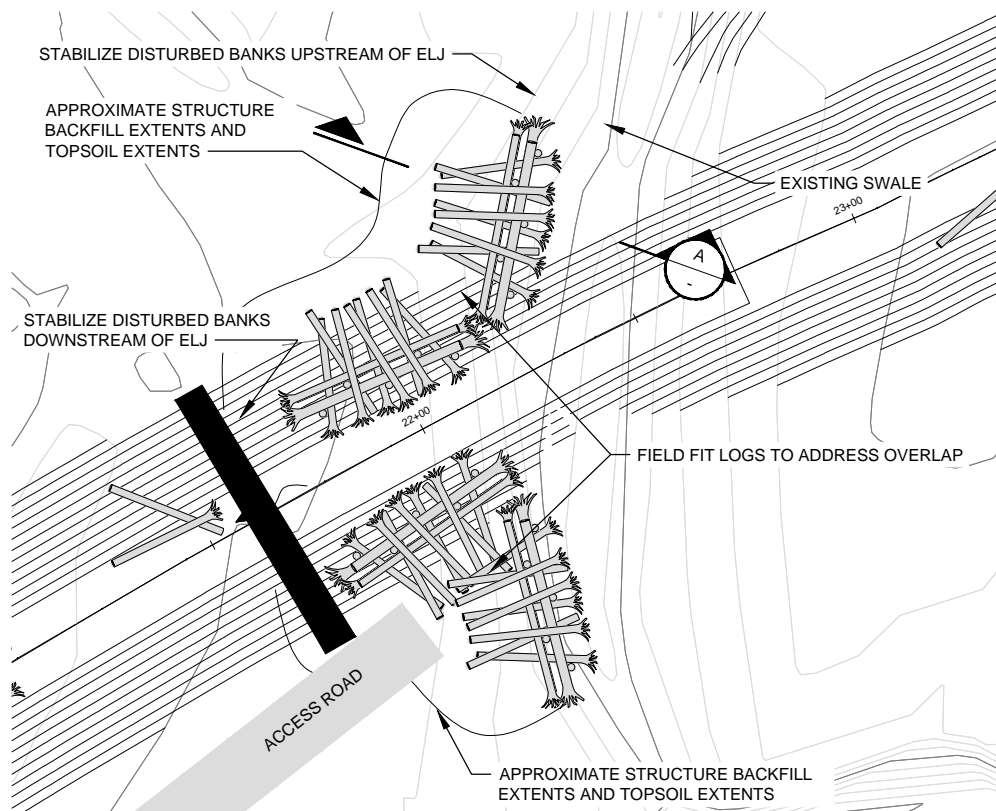
PLAN - INLET DETAILS
SCALE: 1" = 20'

2
C-4



SECTION - LARGE BANK ROUGHENING STRUCTURE
SCALE: 1" = 10'

A
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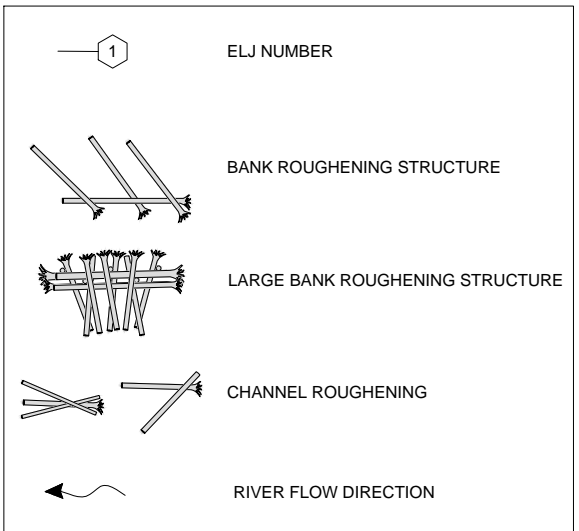


PLAN - LARGE BANK ROUGHENING STRUCTURE
SCALE: 1" = 20'

1
C-4

CONCEPT - NOT FOR CONSTRUCTION

LEGEND:



GENERAL NOTES:

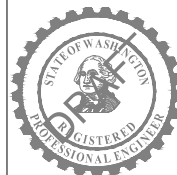
1. PLANT ELJ BACKFILL WITH TREES AND SHRUBS.
2. RACKING PLACEMENT SHALL BE COORDINATED WITH LOG LAYER PLACEMENT AND SLASH PLACEMENT TO ENSURE RACKING MEMBERS AND SLASH EXTEND THROUGH RACKING MATERIAL.
3. CAP BACKFILL LANDWARD OF PILES WITH 1' OF TOP SOIL TO THE EXTENTS SHOWN ON PLANS.
4. EXCAVATION SPOILS SHALL BE STOCKPILED ADJACENT TO EXCAVATION WHILE MAINTAINING ACCESS TO ALLOW LOG LAYER PLACEMENT
5. RACKING LOGS SHOWN IN THE SECTION SHALL BE INSTALLED WITH APPROXIMATELY 1/3 OF THE LOGS ON THE UPSTREAM FACE OF THE ELJ AND PERPENDICULAR TO THE FLOW, 1/3 PARALLEL TO THE FLOW AND EXTENDING INTO THE CORE OF THE STRUCTURE AND 1/3 PLACED IN RANDOM ORIENTATIONS. PLACEMENT SHALL PRODUCE AN INTERLOCKING/WOVEN EFFECT BETWEEN THE LOG MEMBERS, RACKING, AND SLASH WITH MINIMIZED VOIDS.
6. PLACE TETHERED BOULDERS AS SHOWN ON STRUCTURE LAYERING PLAN.

LOG SCHEDULE - LARGE BANK ROUGHENING STRUCTURE:

LOG TYPE	MINIMUM DIAMETER (IN)	LENGTH (FT)	ROOTWAD	TOTAL QTY PER STRUCTURE
R2	16-24	25	YES	6
L2	16-24	25	NO	2
R5	16-24	40	YES	4
VERT	16-24	25	NO	5

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Plot Style Table: Herrera.ctb
Cad User: Eric Marshall
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DESIGNED: M. BEGGS	DRAWN: -
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: M. EW BANK

PRESSENTIN PARK
SIDE CHANNEL RESTORATION

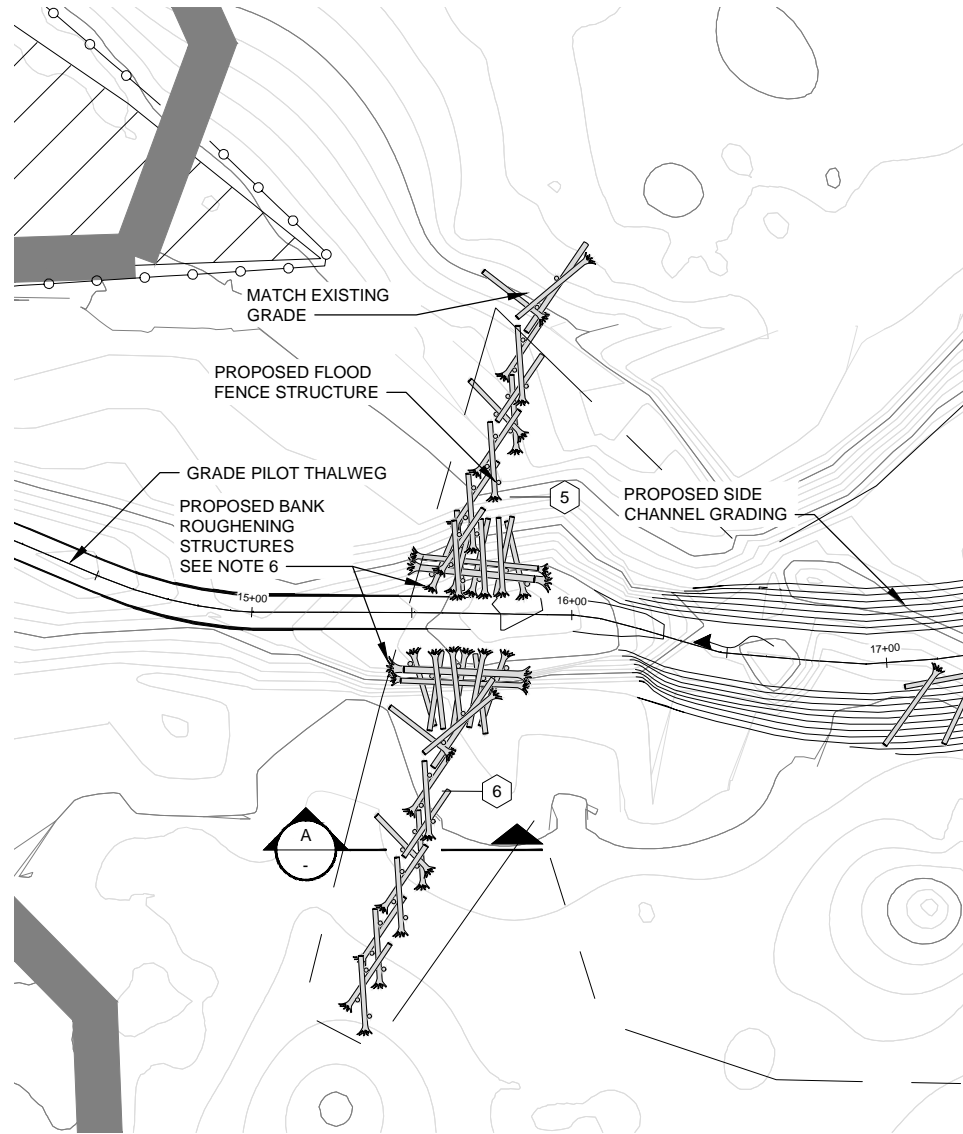
INLET PLAN AND DETAILS

DATE:	
FEB 2015	
PROJECT NO:	
14-05789-000	
DRAWING NO:	
C-6	
SHEET NO:	OF
8	10

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INCH SCALE ACCORDINGLY

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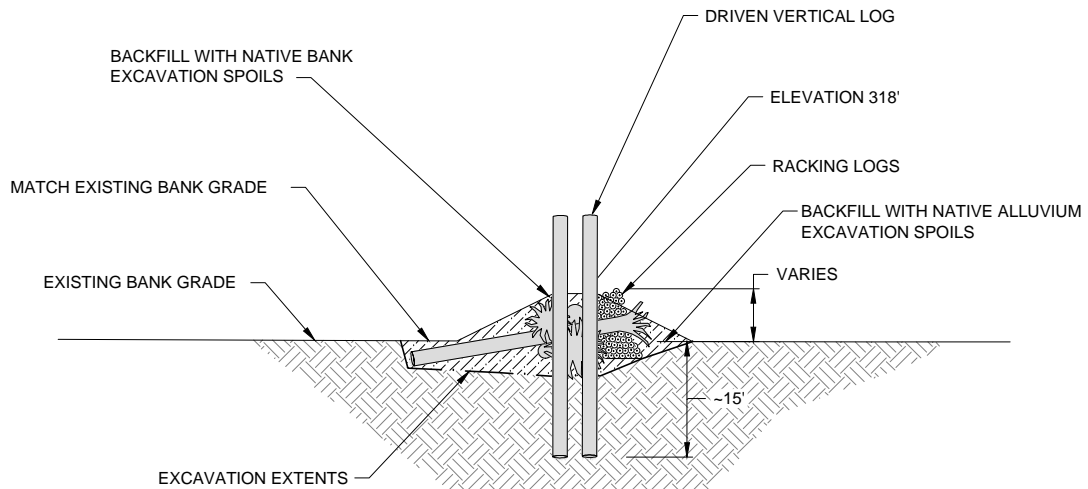


PLAN - FLOOD FENCE STRUCTURE

SCALE: 1" = 30'

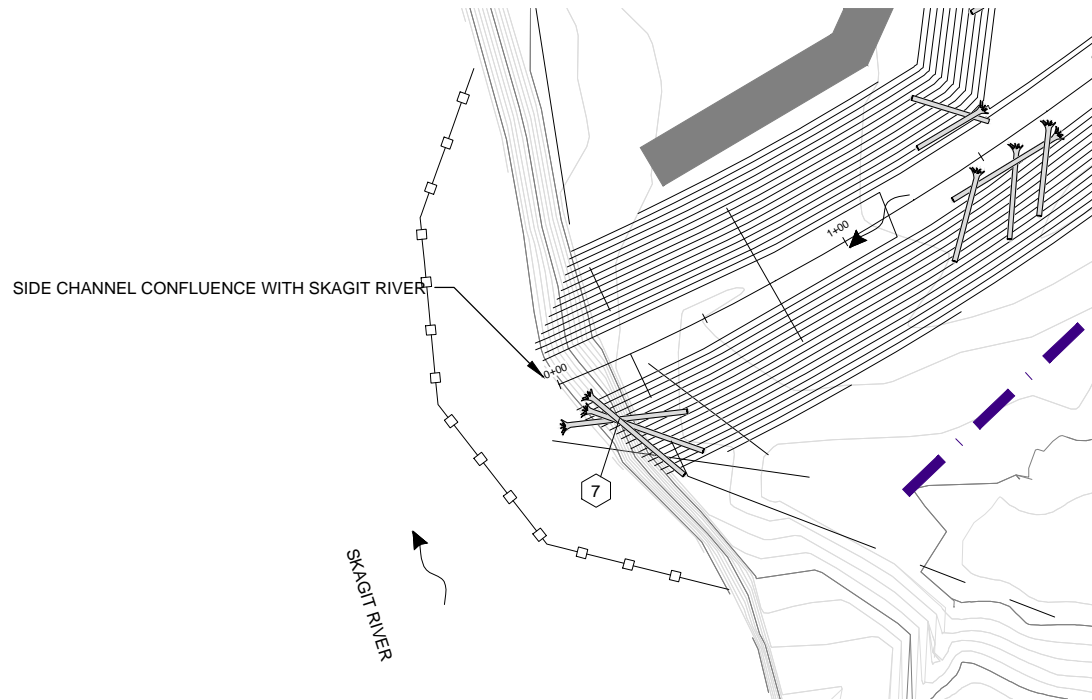
LOG SCHEDULE - FLOOD FENCE STRUCTURE:

LOG TYPE	MINIMUM DIAMETER (IN)	LENGTH (FT)	ROOTWAD	TOTAL QTY PER STRUCTURE
R2	16-24	25	YES	11
L2	16-24	25	NO	1
R3	16-24	30	YES	1
L4	16-24	35	NO	1
VERT	16-24	25	NO	17



SECTION - FLOOD FENCE STRUCTURE

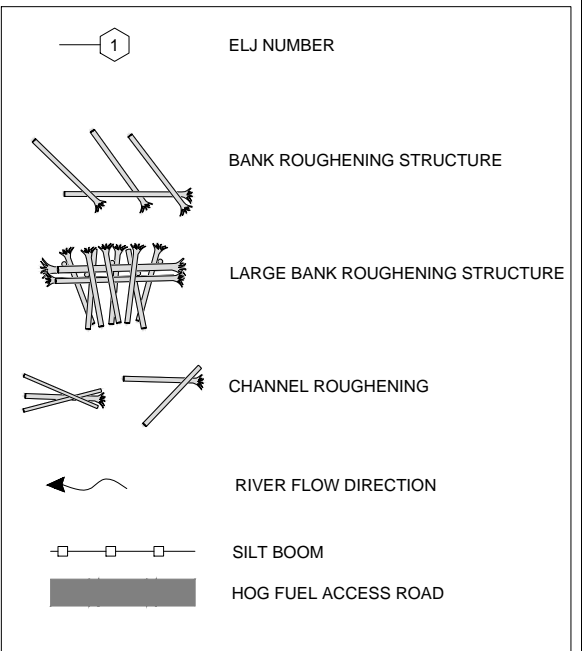
SCALE: 1" = 10'



DETAIL - OUTLET STRUCTURE

SCALE: 1" = 30'

LEGEND:



GENERAL NOTES:

1. PLANT ELJ BACKFILL WITH TREES AND SHRUBS.
2. RACKING PLACEMENT SHALL BE COORDINATED WITH LOG LAYER PLACEMENT AND SLASH PLACEMENT TO ENSURE RACKING MEMBERS AND SLASH EXTEND THROUGH RACKING MATERIAL.
3. CAP BACKFILL LANDWARD OF PILES WITH 1' OF TOP SOIL TO THE EXTENTS SHOWN ON PLANS.
4. EXCAVATION SPOILS SHALL BE STOCKPILED ADJACENT TO EXCAVATION WHILE MAINTAINING ACCESS TO ALLOW LOG LAYER PLACEMENT
5. RACKING LOGS SHOWN IN THE SECTION SHALL BE INSTALLED WITH APPROXIMATELY 1/3 OF THE LOGS ON THE UPSTREAM FACE OF THE ELJ AND PERPENDICULAR TO THE FLOW, 1/3 PARALLEL TO THE FLOW AND EXTENDING INTO THE CORE OF THE STRUCTURE AND 1/3 PLACED IN RANDOM ORIENTATIONS. PLACEMENT SHALL PRODUCE AN INTERLOCKING/WOVEN EFFECT BETWEEN THE LOG MEMBERS, RACKING, AND SLASH WITH MINIMIZED VOIDS.
6. BUILD LARGE BANK ROUGHENING STRUCTURES FIRST, FLOODFENCE STRUCTURE TO BE CONSTRUCTED SO THAT FINAL ELEVATION SHALL BE 318' AT TOP OF LARGE BANK ROUGHENING STRUCTURES.

CONCEPT - NOT FOR CONSTRUCTION



DESIGNED: G. KAYS	DRAWN: E. MARSHALL
DESIGNED: M. BEGGS	DRAWN: -
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: M. EW BANK

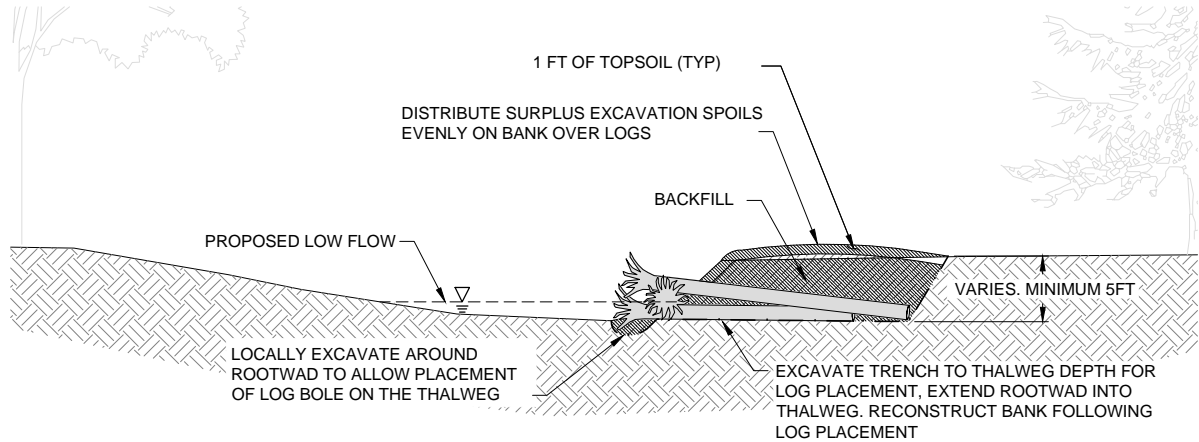
PRESSENTIN PARK
SIDE CHANNEL RESTORATION

OUTLET AND FLOODFENCE PLAN AND
DETAILS

DATE: FEB 2015
PROJECT NO: 14-05789-000
DRAWING NO: C-7
SHEET NO: 9 OF 10

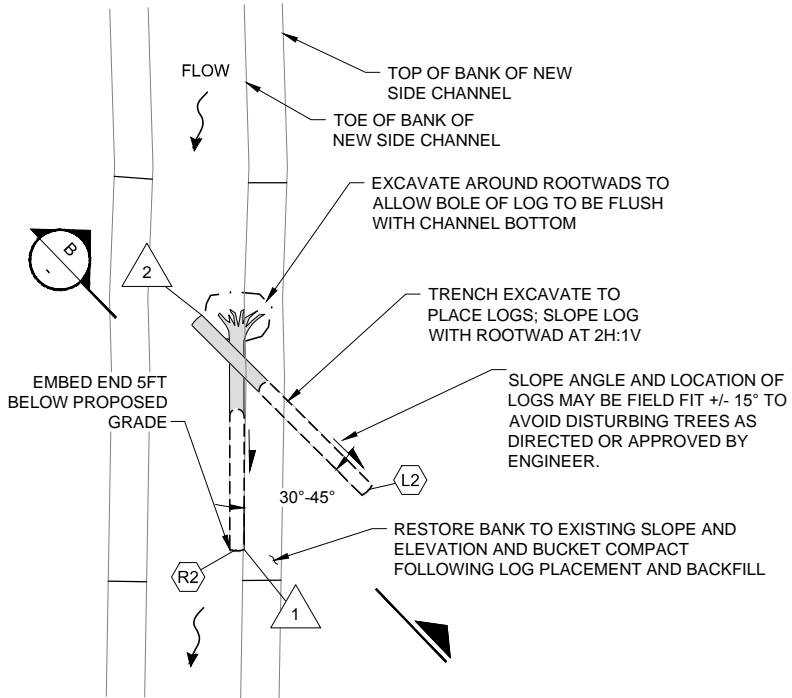
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ONE INCH
AT FULL SIZE, IF NOT ONE
INCH SCALE ACCORDINGLY



SECTION - BANK HABITAT STRUCTURE

SCALE: 1" = 10'



DETAIL - BANK ROUGHENING STRUCTURE

SCALE: 1" = 10'

LOG SCHEDULE - BANK ROUGHENING STRUCTURE:

LOG TYPE	MINIMUM DIAMETER (IN)	LENGTH (FT)	ROOTWAD	TOTAL QTY PER STRUCTURE
R2	12-24	25	YES	1
L3	16-24	25	NO	1

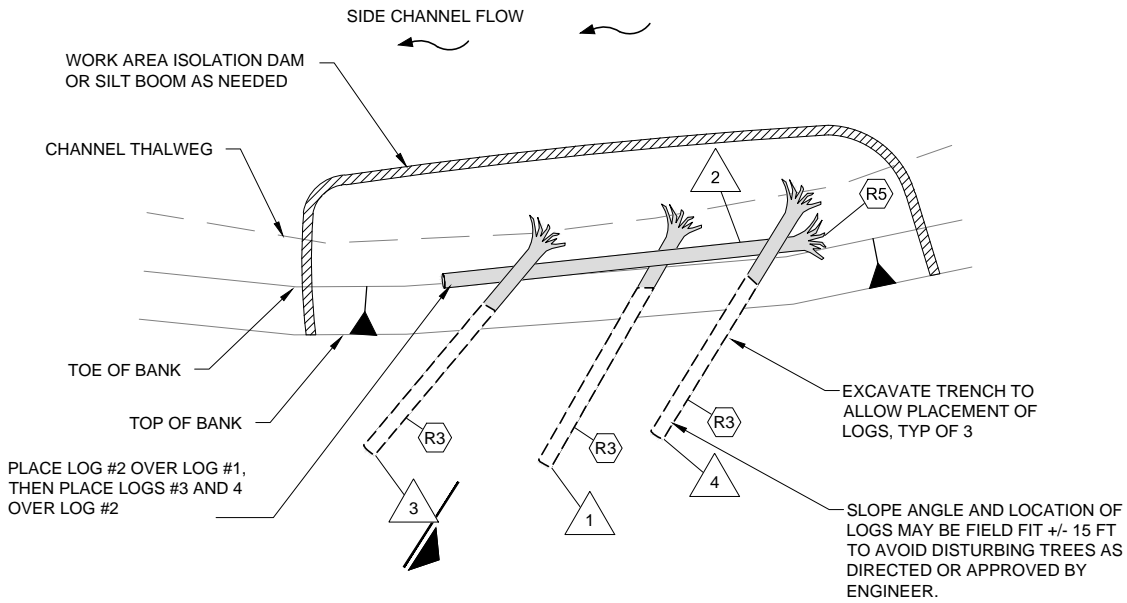
LOG SCHEDULE - MID-CHANNEL ROUGHENING STRUCTURE:

LOG TYPE	MINIMUM DIAMETER (IN)	LENGTH (FT)	ROOTWAD	TOTAL QTY PER STRUCTURE
R2	12-24	25	YES	1
L2	16-24	25	NO	2

LOG SCHEDULE - BANK HABITAT STRUCTURE:

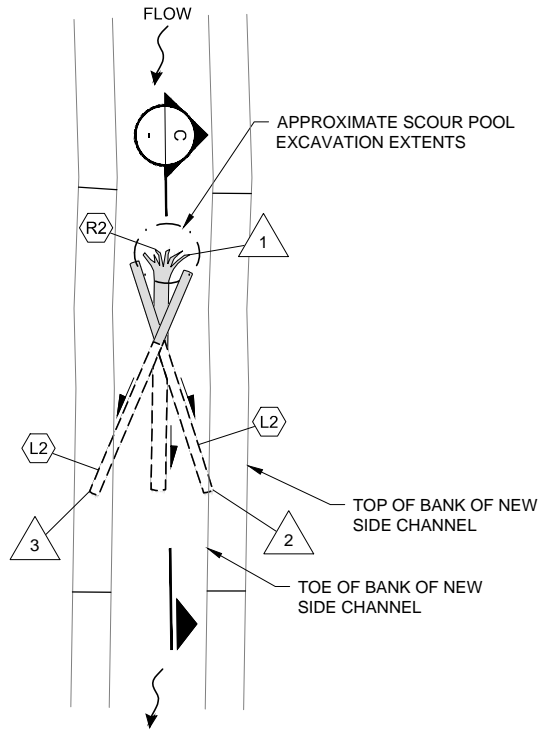
LOG TYPE	MINIMUM DIAMETER (IN)	LENGTH (FT)	ROOTWAD	TOTAL QTY PER STRUCTURE
R5	16-24	40	YES	1
R3	16-24	30	YES	3

LEGEND:



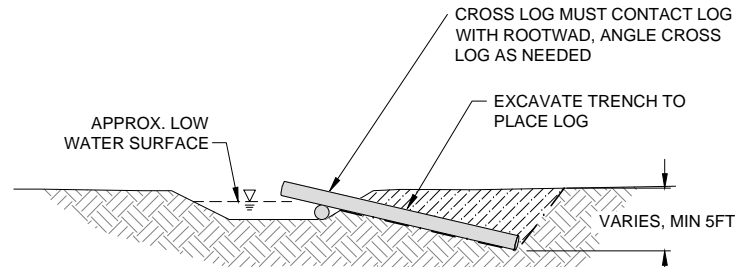
PLAN - BANK HABITAT STRUCTURE

SCALE: 1" = 10'



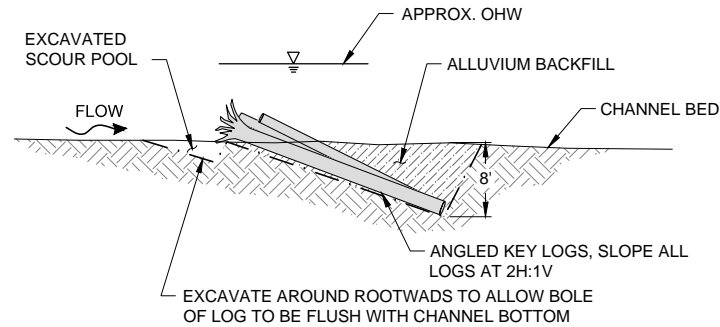
DETAIL - MID-CHANNEL ROUGHENING STRUCTURE

SCALE: 1" = 10'



SECTION - BANK ROUGHENING STRUCTURE

SCALE: 1" = 10'



SECTION - MID CHANNEL ROUGHENING STRUCTURE

SCALE: 1" = 10'

CONCEPT - NOT FOR CONSTRUCTION

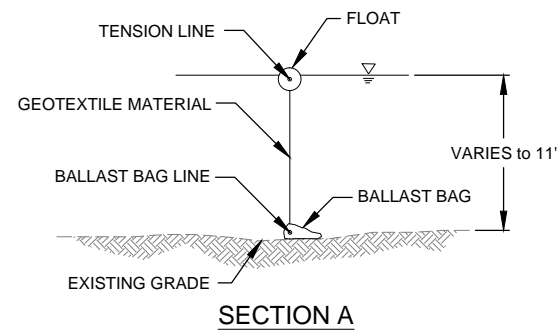
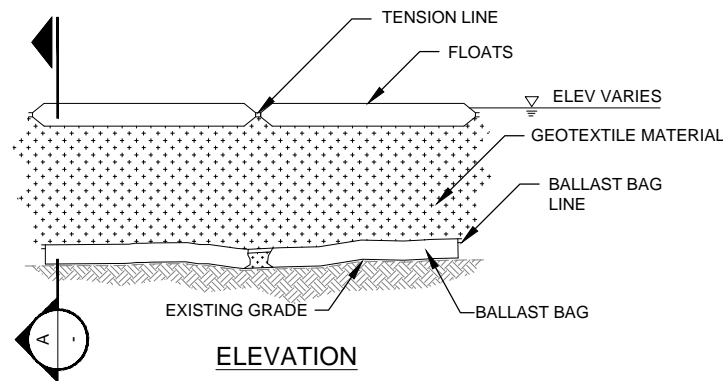


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DESIGNED:	M. BEGGS	DRAWN:	-
DESIGNED:	-	CHECKED:	-
SCALE:	AS NOTED	APPROVED:	M. EW BANK

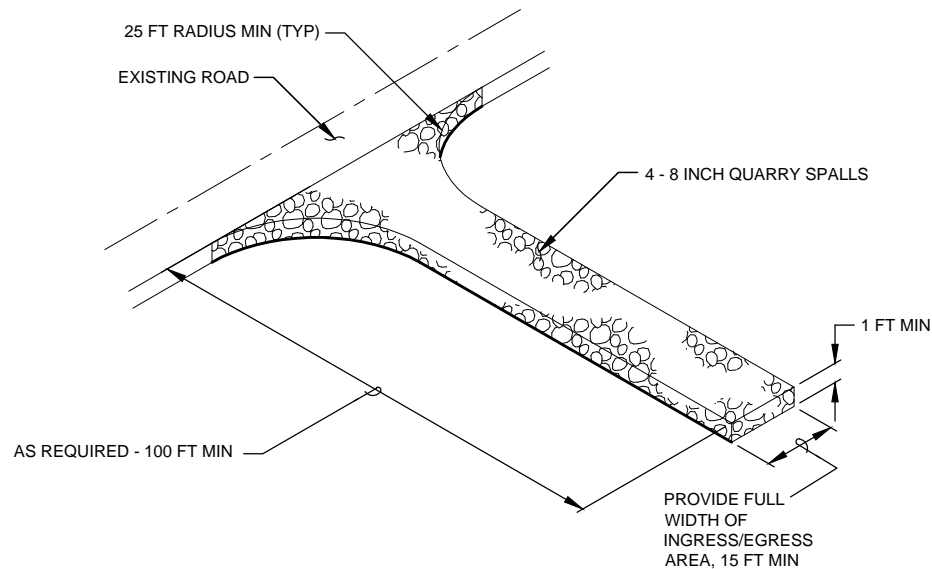
PRESSENTIN PARK
SIDE CHANNEL RESTORATION

ELS DETAILS

DATE:	FEB 2015
PROJECT NO:	14-05789-000
DRAWING NO:	C-8
SHEET NO:	10 OF 10



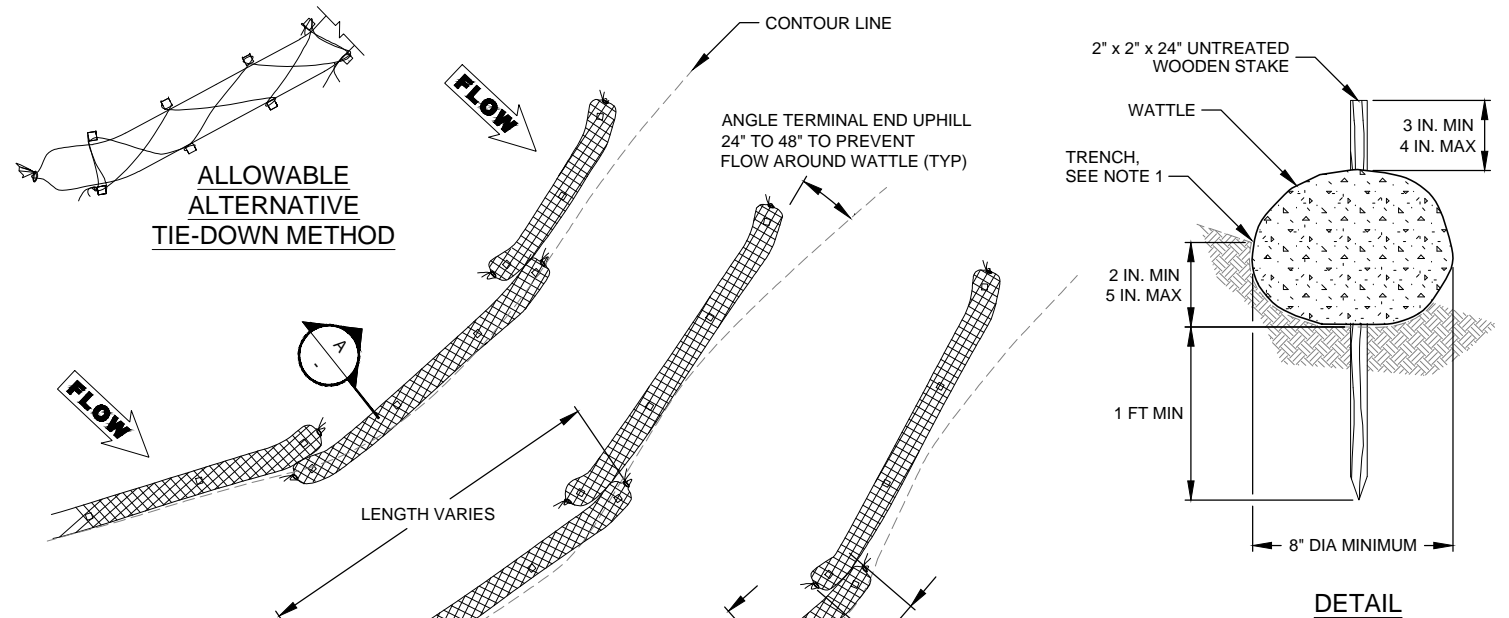
SILT BOOM
SCALE: NTS



NOTES:

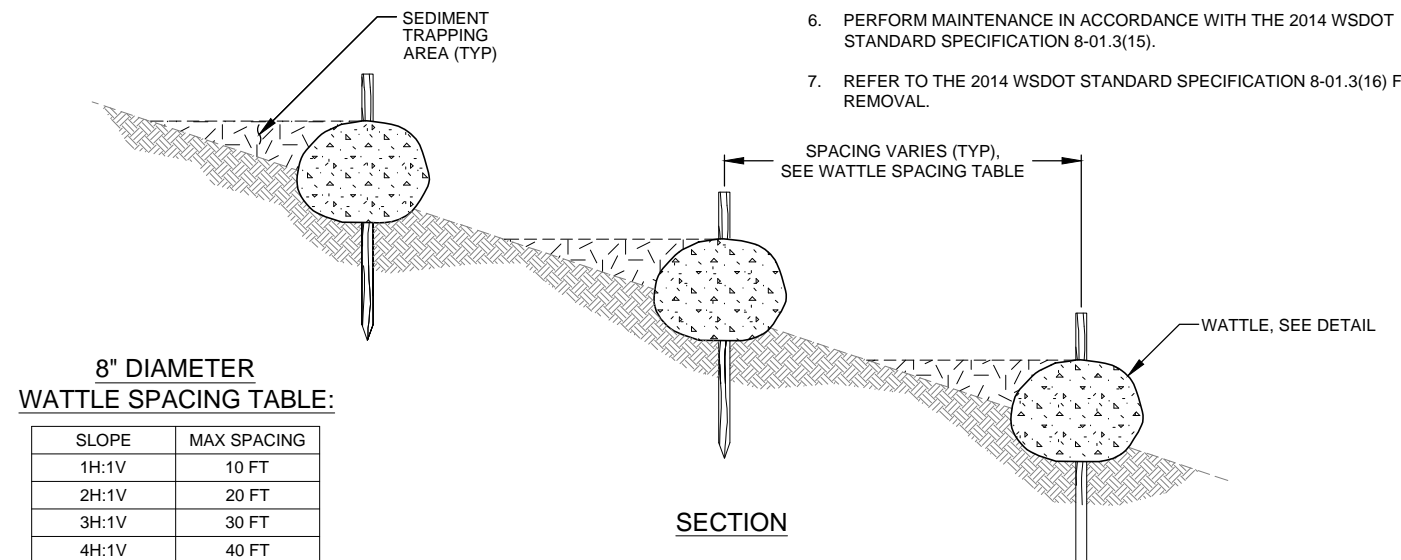
1. PLACE SEPARATION GEOTEXTILE UNDER THE SPALLS TO PREVENT FINE SEDIMENT FROM PUMPING UP INTO THE ROCK PAD. THE GEOTEXTILE SHALL MEET THE STANDARDS IN APPENDIX D OF THE KING COUNTY SURFACE WATER DESIGN MANUAL.
2. ANY QUARRY SPALLS THAT ARE LOOSEENED FROM THE PAD AND END UP ON THE EXISTING ROAD SHALL BE REMOVED.

STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS



NOTES:

1. WATTLES SHALL BE IN ACCORDANCE WITH THE 2014 WSDOT STANDARD SPECIFICATION 9-14.5(5). INSTALL WATTLES ALONG CONTOURS. INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2014 WSDOT STANDARD SPECIFICATION 8-01.3(10).
2. SECURELY KNOT EACH END OF WATTLE. OVERLAP ADJACENT WATTLE ENDS 12" BEHIND ONE ANOTHER AND SECURELY TIE TOGETHER.
3. COMPACT EXCAVATED SOIL AND TRENCHES TO PREVENT UNDERCUTTING. ADDITIONAL STAKING MAY BE NECESSARY TO PREVENT UNDERCUTTING.
4. INSTALL WATTLE PERPENDICULAR TO FLOW ALONG CONTOURS.
5. WATTLES SHALL BE INSPECTED REGULARLY, AND IMMEDIATELY AFTER A RAINFALL PRODUCES RUNOFF, TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
6. PERFORM MAINTENANCE IN ACCORDANCE WITH THE 2014 WSDOT STANDARD SPECIFICATION 8-01.3(15).
7. REFER TO THE 2014 WSDOT STANDARD SPECIFICATION 8-01.3(16) FOR REMOVAL.



8" DIAMETER
WATTLE SPACING TABLE:

SLOPE	MAX SPACING
1H:1V	10 FT
2H:1V	20 FT
3H:1V	30 FT
4H:1V	40 FT

WATTLE INSTALLATION ON SLOPE
SCALE: NTS

CONCEPT - NOT FOR CONSTRUCTION

No.	REVISION	BY	APP'D	DATE



DESIGNED: G. KAYS	DRAWN: E. MARSHALL
DESIGNED: M. BEGGS	DRAWN: -
DESIGNED: -	CHECKED: -
SCALE: AS NOTED	APPROVED: M. EW BANK

PRESSENTIN PARK
SIDE CHANNEL RESTORATION

TESC DETAILS

DATE: FEB 2015
PROJECT NO: 14-05789-000
DRAWING NO: ESC-1
SHEET NO: 11
OF 10